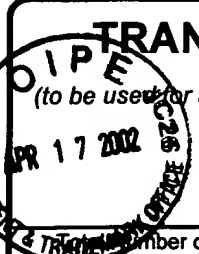
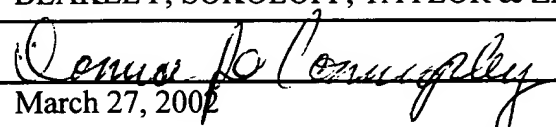



2181

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing) 		Application No.	09/470,542	
		Filing Date	December 22, 1999	
		First Named Inventor	David Frame	
		Group Art Unit	2181	
		Examiner Name	X M Thai	
Number of Pages in This Submission		12	Attorney Docket Number	42390P7651

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ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; height: 80px; width: 100%;"></div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Donna Jo Coningsby, Reg. No. 41,684 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	March 27, 2002

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on: <b>March 27, 2002</b>			
Typed or printed name	Mark W. Baugher		
Signature		Date	March 27, 2002



**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

Patent claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)  
110.00

## Complete if Known

Application Number	09/470,542
Filing Date	December 22, 1999
First Named Inventor	David Frame
Examiner Name	X M Thai
Group/Art Unit	2181
Attorney Docket No.	42390P7651

## METHOD OF PAYMENT (check one)

- ☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None  
☒ Deposit Account

Deposit  
Account  
Number

02-2666

Deposit  
Account  
Name

Blakely, Sokoloff, Taylor &amp; Zafman LLP

The Commissioner is authorized to: (check all that apply)

- ☒ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of the application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

## 2. EXTRA CLAIM FEES

Total Claims  =  X  =   
Independent Claims  =  X  =   
Multiple Dependent  =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple Dependent claim, if not paid	
109	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

\*\*or number previously paid, if greater, For Reissues, see below

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or cover sheet.	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920 *	112	920 *	Requesting publication of SIR prior to Examiner action	
113	1,840 *	113	1,840 *	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	110.00
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)  
110.00

## Complete (if applicable)

Name (Print/Type)	Donna Jo Coningsby	Registration No. (Attorney/Agent)	41,684	Telephone	(503) 684-6200
Signature	<i>Donna Jo Coningsby</i>	Date	03/27/02		

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PATENT APPLICATION

042390.P7651

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pay  
42602

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Frame et al.

Serial No.: 09/470,542

Filed: December 22, 1999



March 15, 2002

Group Art Unit: 2181

Examiner: X M Thai

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APR 24 2002

Technology Center 21

For: **APPARATUS AND METHOD FOR COUPLING TO A MEMORY MODULE**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED  
WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN  
ENVELOPE ADDRESSED TO:  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE,  
WASHINGTON, D.C. 20231, ON: March 27, 2002  
Date of Deposit

INTEL CORPORATION

Name of Assignee

SIGNATURE

DATE

RESPONSE

HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE,  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed December 17, 2001, please  
reconsider the above-identified patent application in view of the remarks and  
amendments below. Applicants would like to thank the Examiner for the efforts in  
identifying issues with this application.

Applicants believe the following is a complete response to the issues raised  
by the Examiner and that the following amendments and comments place the  
application into condition for allowance.

PATENT APPLICATION

042390.P7651

Amendment

Amendment to Specification

Please amend the specification as shown below.

On page 2, line 9, delete

"and available at [http://www.rambus.com/developer/support\\_asic.html](http://www.rambus.com/developer/support_asic.html)".

On page 6, line 21, change the second occurrence of "25" to --35--.

Amendment to Claims

Please amend the claims as shown below and cancel claims 10-11 and 20-22 without prejudice.

1. (Once amended) An apparatus comprising:

a first integrated circuit comprising a Direct Rambus™ ASIC Cell (Direct RAC);

a second integrated circuit comprising a Direct RAC;

a mezzanine card having a connector and comprising the second integrated circuit, wherein the connector is adapted to be communicatively coupled to a third integrated circuit, wherein the connector includes a first metal line and a second metal line, the second metal line being longer than the first metal line, and wherein the second metal line has a parasitic capacitance value greater than a parasitic capacitance value of the first metal line; and